

A map of the Des Moines Area Metropolitan Planning Organization (MPO) jurisdiction. The map shows the outline of the MPO area, with several smaller, shaded regions indicating specific areas of interest or focus. The text "DES MOINES AREA" is overlaid on the map in a blue, sans-serif font.

DES MOINES AREA

MPO

METROPOLITAN PLANNING ORGANIZATION

Technical Analysis Peer Exchange (TAPE)

August 20, 2013

Overview

① Environmental Justice

- What is it? Why is it important?
- Why now?

② The MPO's Methodology

- Degrees of Disadvantage
- EJ areas in Greater Des Moines

③ Moving Forward

- In vs. Out Comparison
- Going Beyond Transportation
- Guiding the Future



Environmental Justice

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② The MPO's Methodology

③ Moving Forward

Environmental Justice is the fair treatment and meaningful involvement of all people of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies. EPA has this goal for all communities and persons across the Nation. It will be achieved when everyone enjoys the same degree of protection from environmental and health hazards and equal access to the decision-making process to have a healthy environment in which to live, learn, and work.

-Environmental Protection Agency

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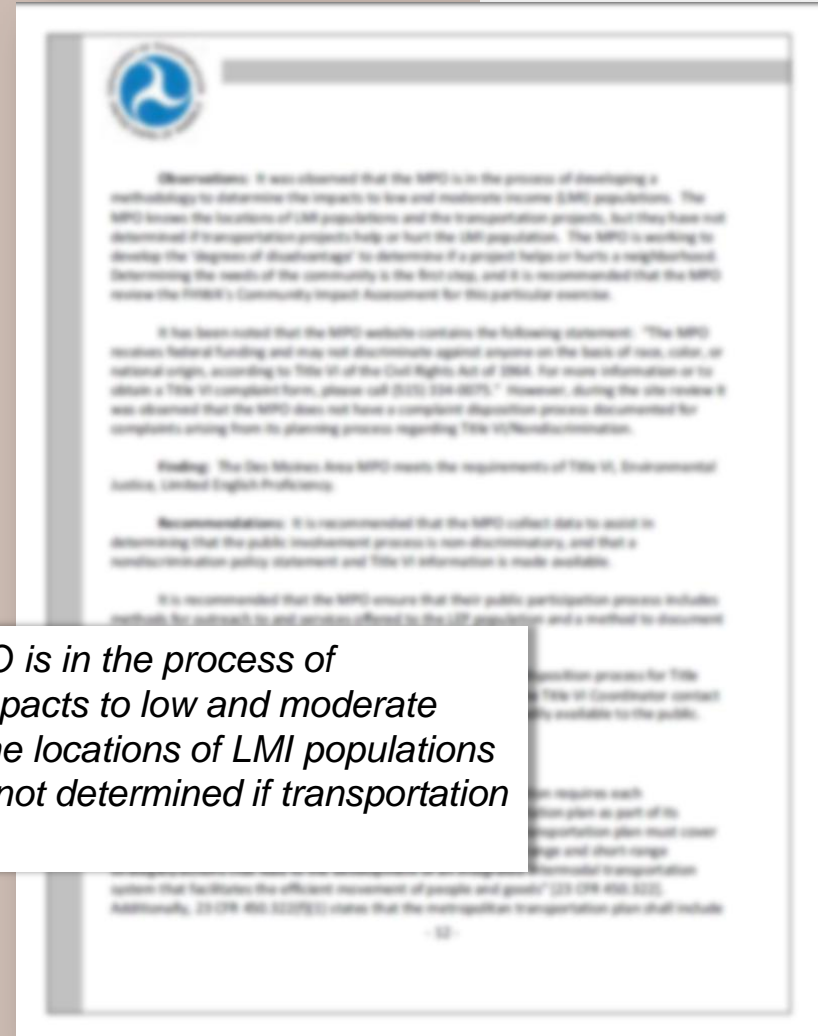
Title VI of the Civil Rights Act of 1964 states that “no person in the United States shall, on the ground of race, color, or national origin be excluded from participation in, be denied the benefits of, or subjected to discrimination under any program or activity receiving Federal financial assistance.”

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Why now?

- MPO Certification Review

“Observations: It was observed that the MPO is in the process of developing a methodology to determine the impacts to low and moderate income (LMI) populations. The MPO knows the locations of LMI populations and the transportation projects, but they have not determined if transportation projects help or hurt the LMI population.”



① Environmental Justice

The MPO's Methodology

③ Moving Forward

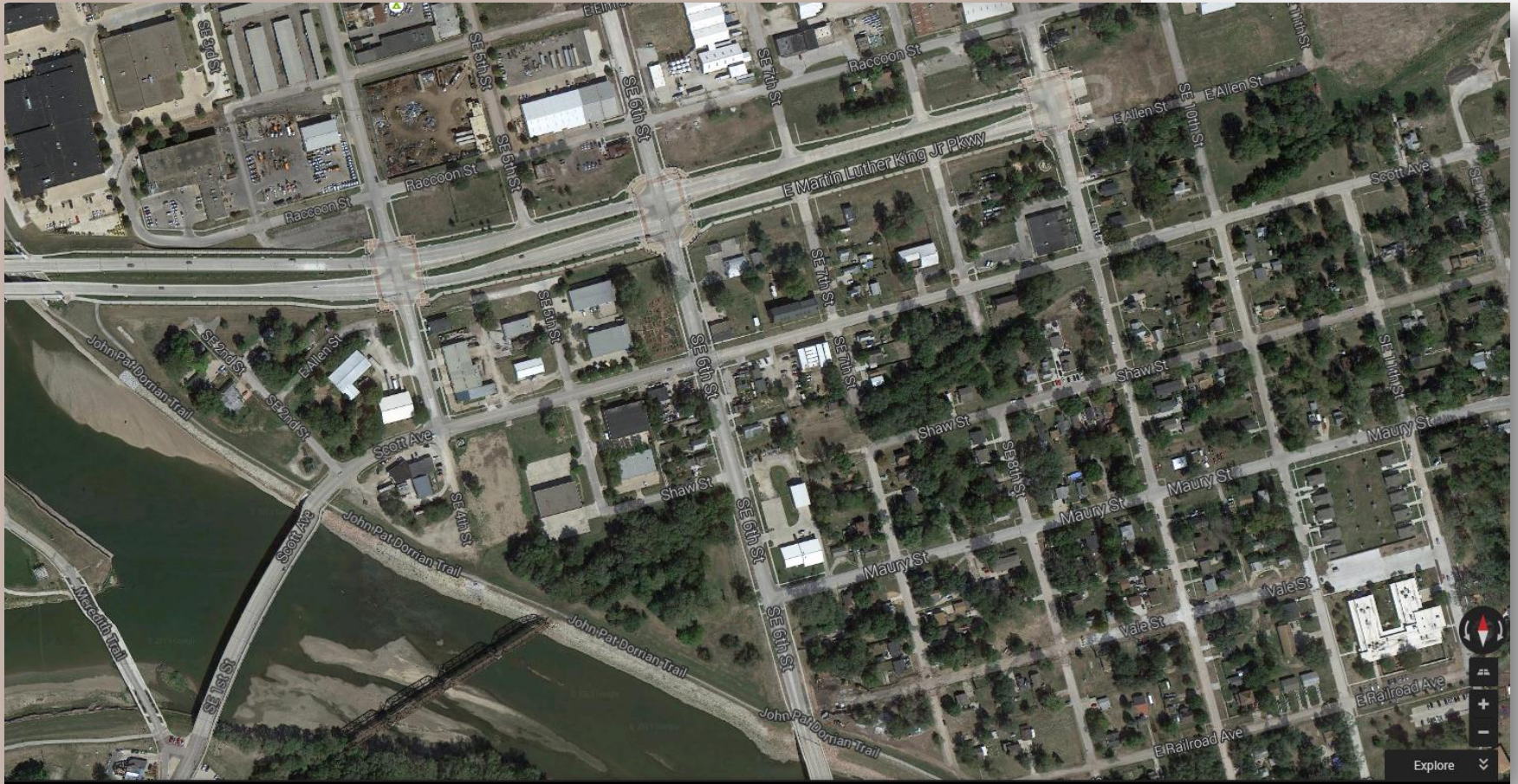
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Environmental Justice Areas

- What is an EJ area?
 - Traditionally underserved populations
 - i.e., Low-income and minority households



Environmental Justice Areas



Environmental Justice Areas

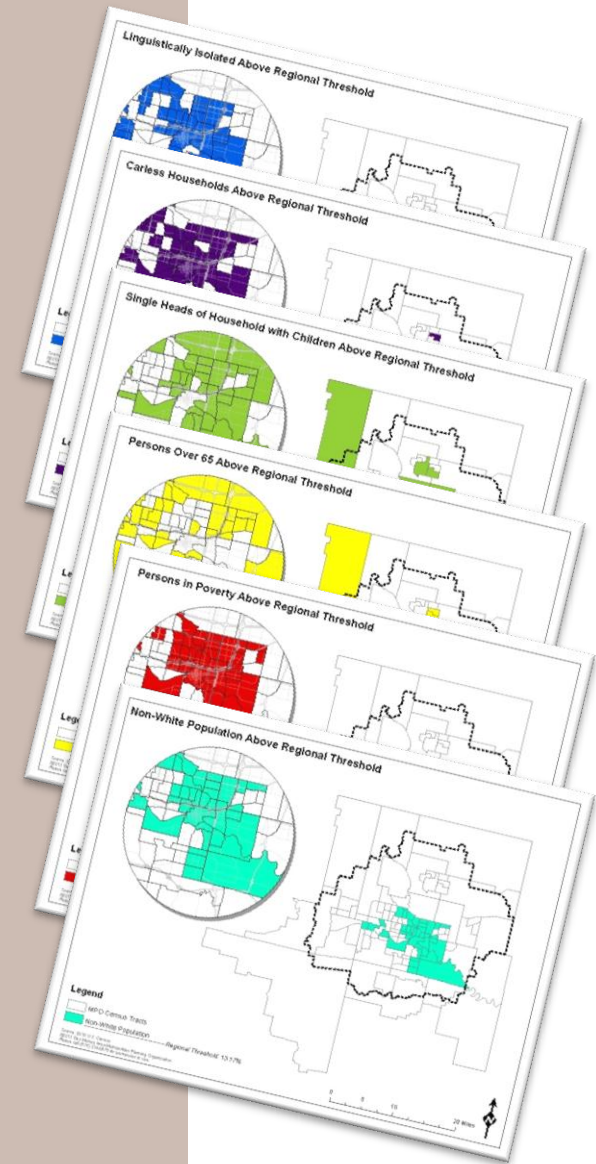


Environmental Justice Areas



Degrees of Disadvantage

- Seven Degrees
 - Linguistically Isolated
 - Non-white population
 - Persons in poverty
 - Carless households
 - Single heads of households with children
 - Persons over 65
 - *Persons with a disability**
- Delaware Valley Regional Planning Commission (DVRPC)

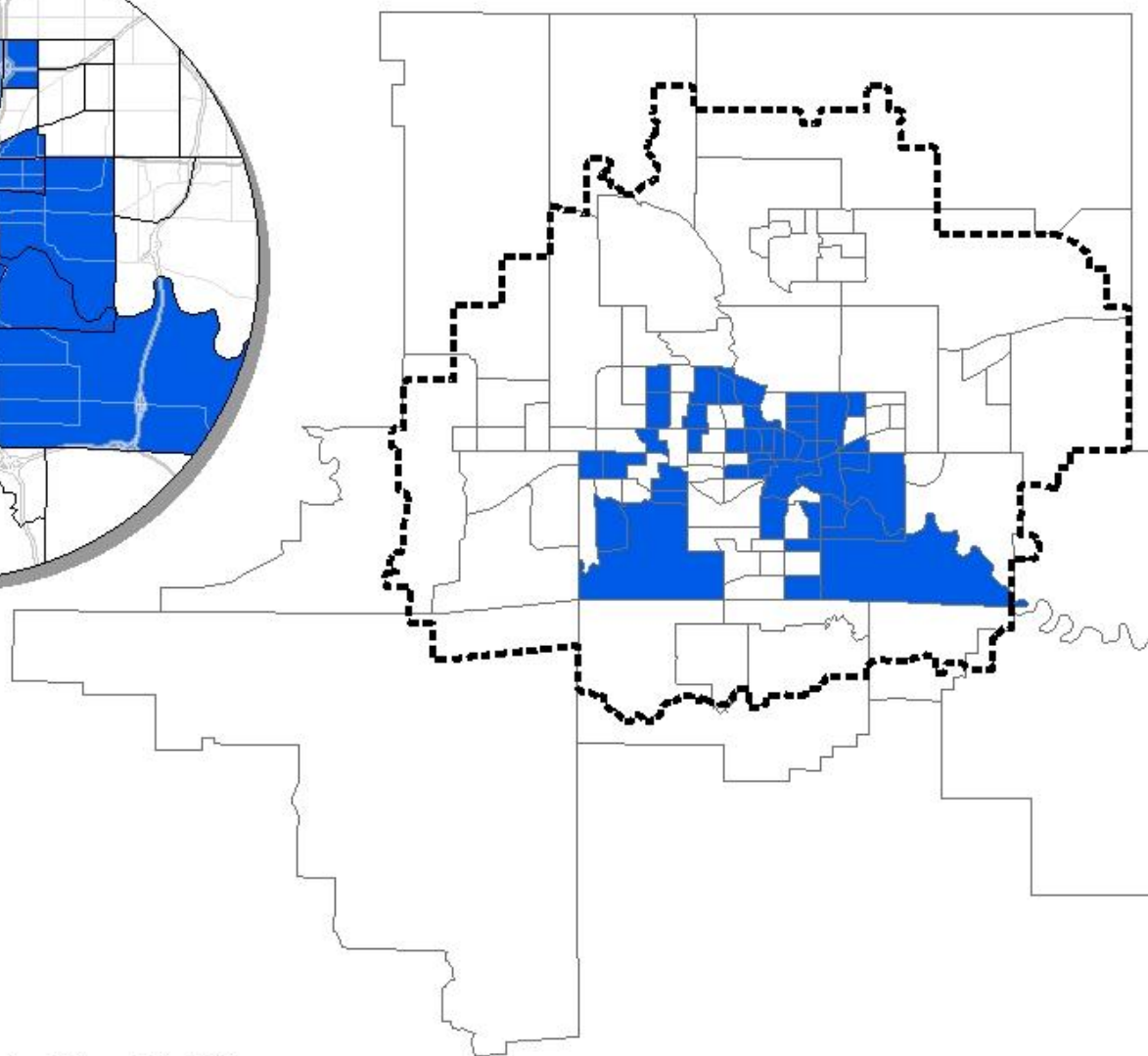
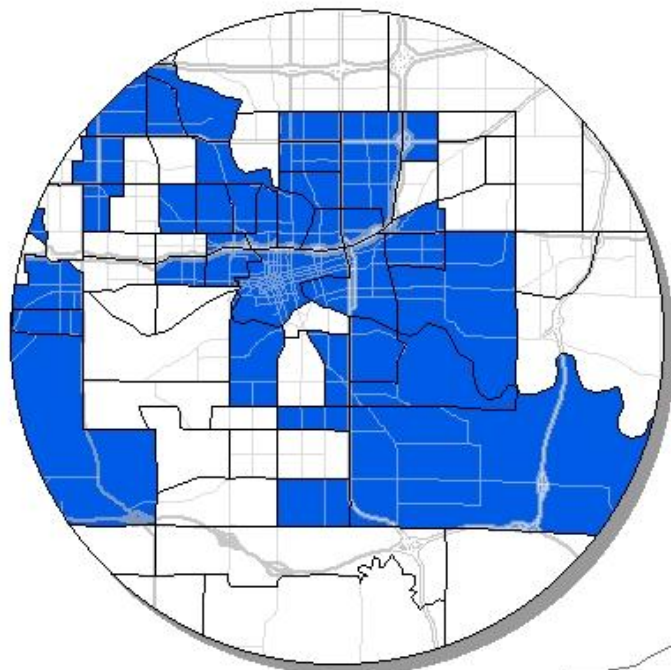


Degrees of Disadvantage

- American Community Survey 2010 (5-year estimates)
 - Selected Social Characteristics
 - Poverty Level by Tract
 - Vehicles by Tenure
 - Census Tract Age by Sex
- Calculating a regional threshold
 - Average of the percent in each tract
 - *EJ Sensitive Tract* > *Regional Threshold*
- Limitations
 - Tract level
 - Large tracts in the periphery
 - Characteristics of project funding


Number of DOD	# of Census Tracts	% of Census Tracts
0	26	23%
1	23	20%
2-3	28	25%
4-5	33	29%
6	3	3%

Linguistically Isolated Above Regional Threshold



Legend

 MPO Census Tracts

 Linguistically Isolated

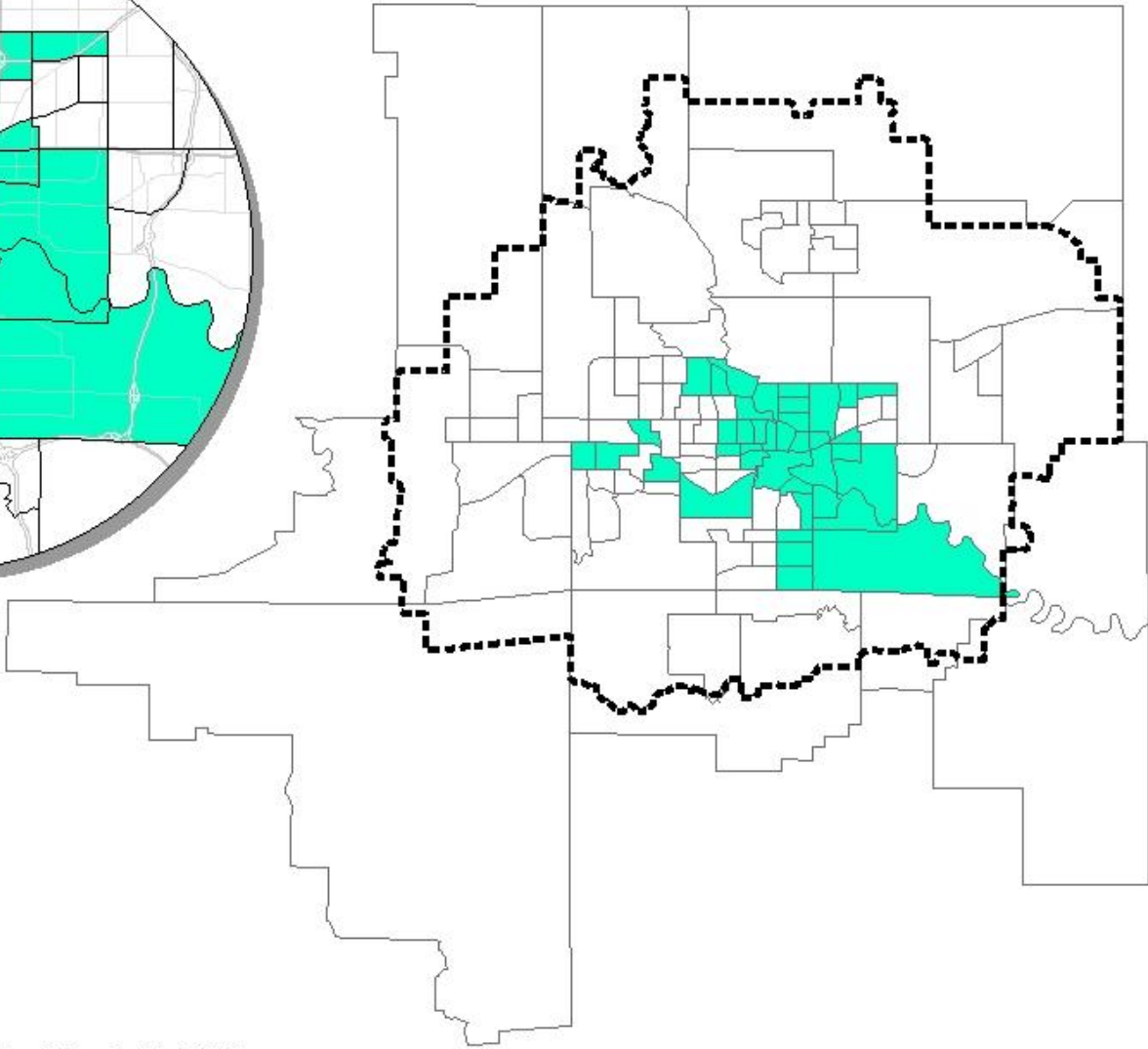
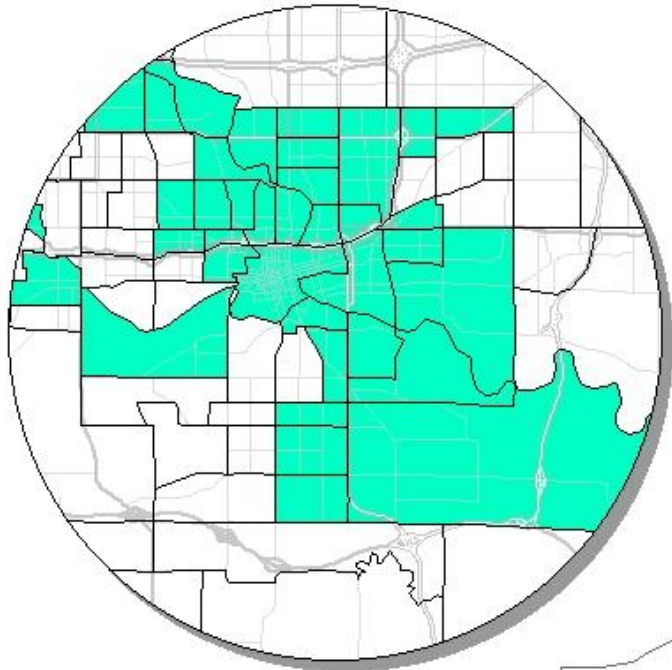
-----Regional Threshold: 5.6%

Source: 2010 U.S. Census
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0 5 10 20 Miles



Non-White Population Above Regional Threshold



Legend

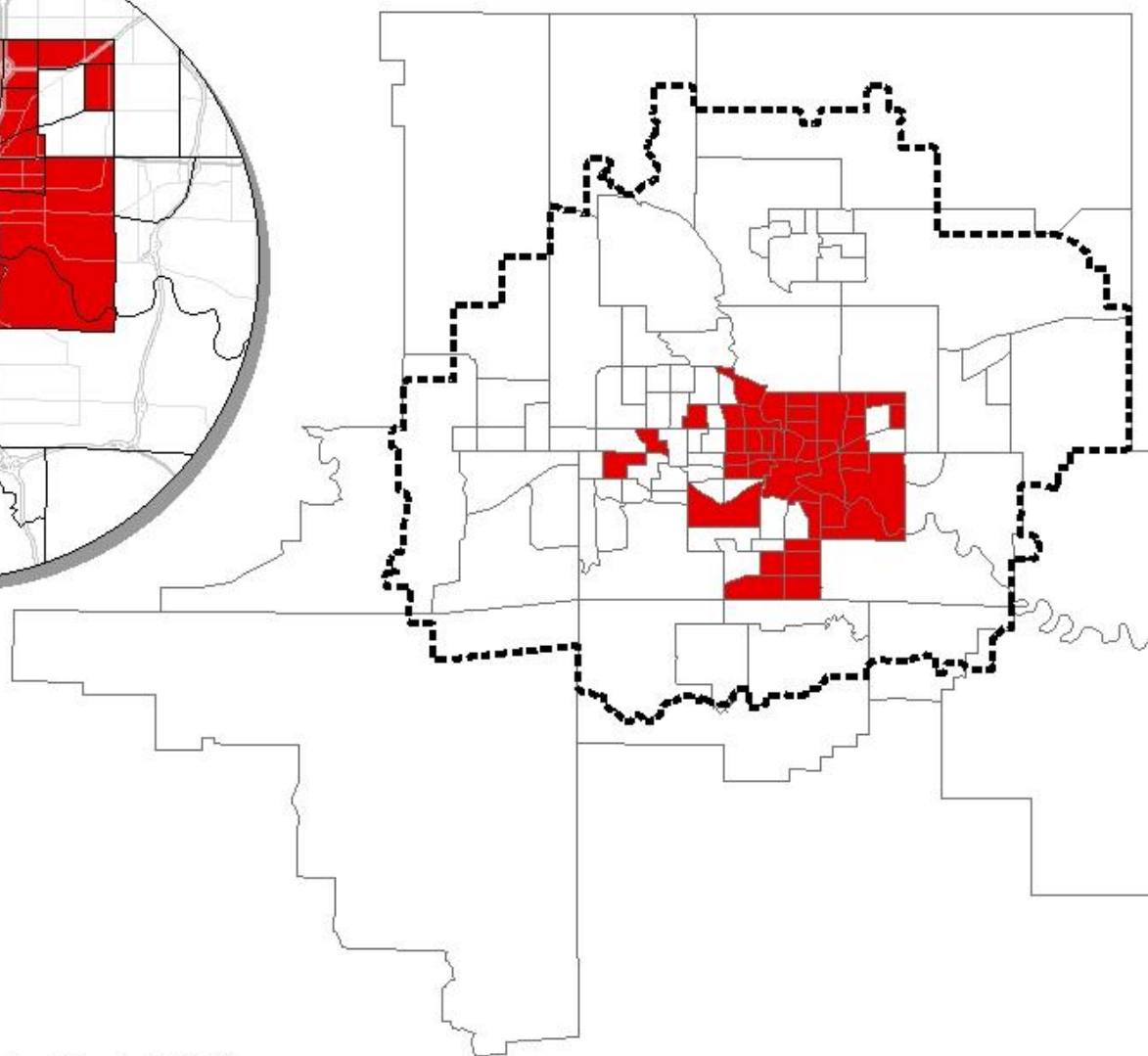
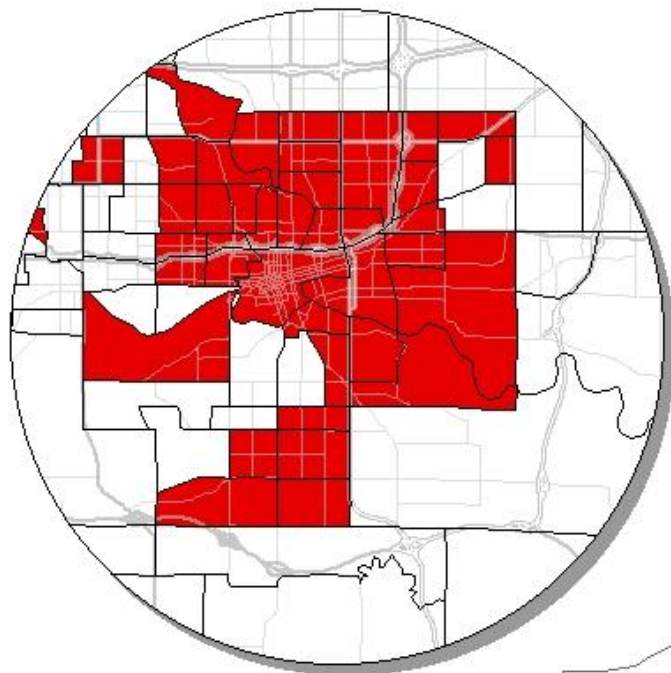
- MPO Census Tracts
- Non-White Population

-----Regional Threshold: 13.17%


Source: 2010 U.S. Census
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Persons in Poverty Above Regional Threshold



Legend

 MPO Census Tracts

 Persons in Poverty

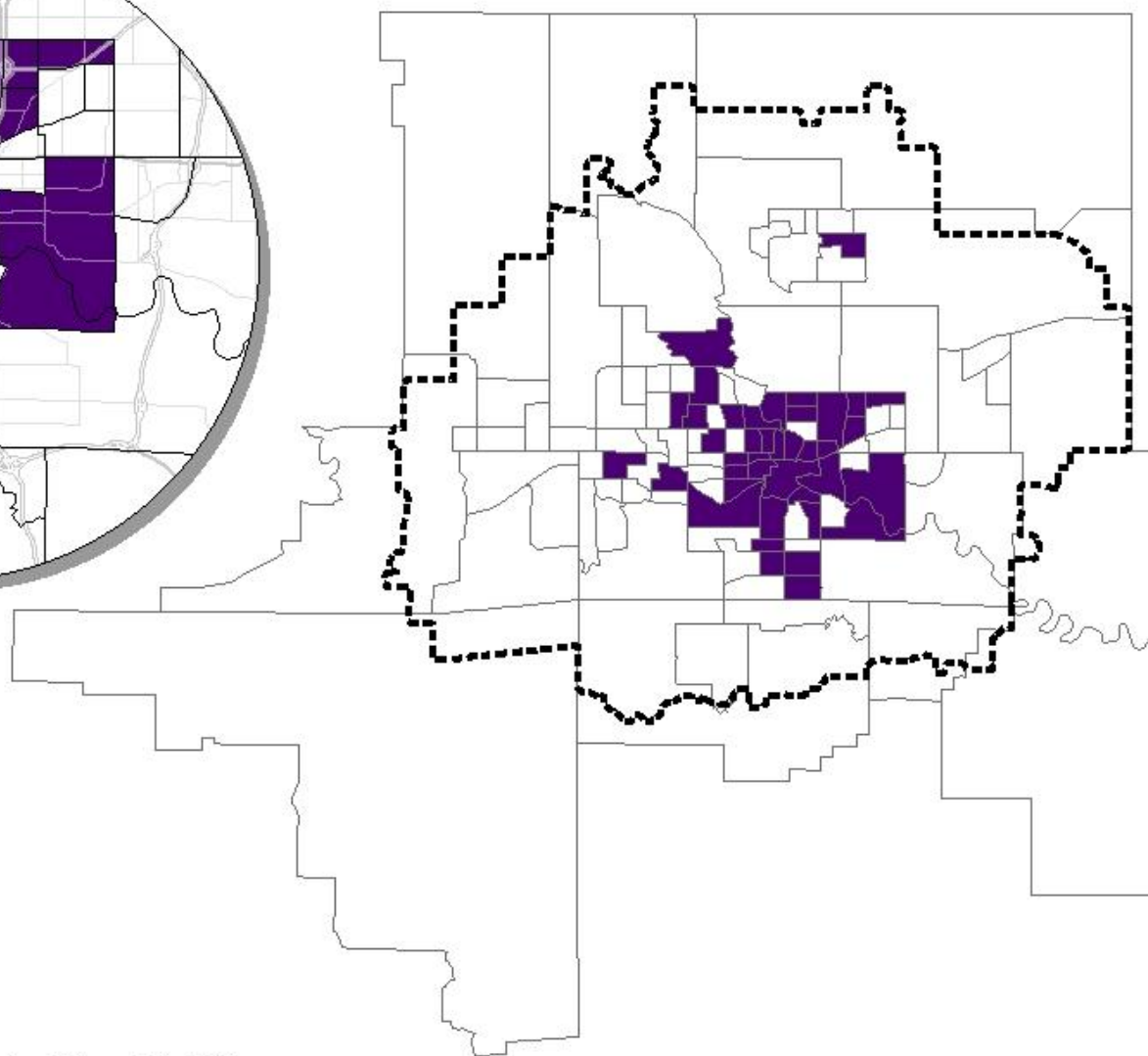
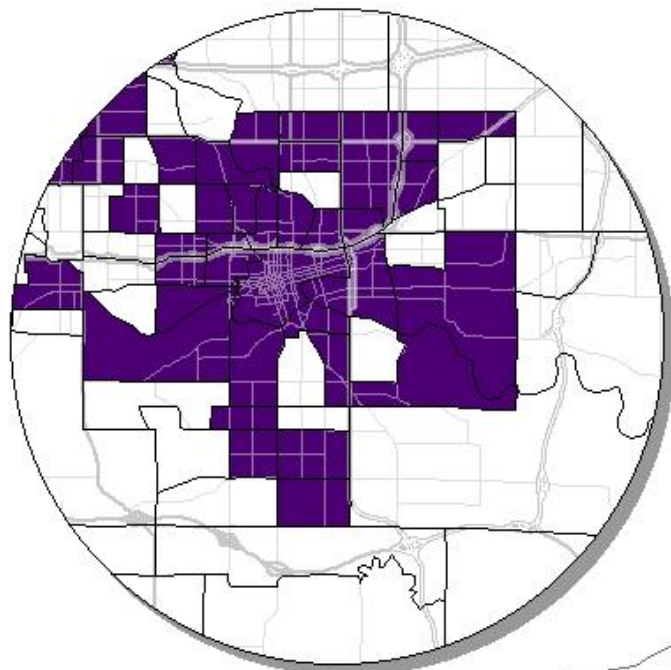
-----Regional Threshold: 10.7%

Source: 2010 U.S. Census
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Carless Households Above Regional Threshold



Legend

- MPO Census Tracts
- Carless Households

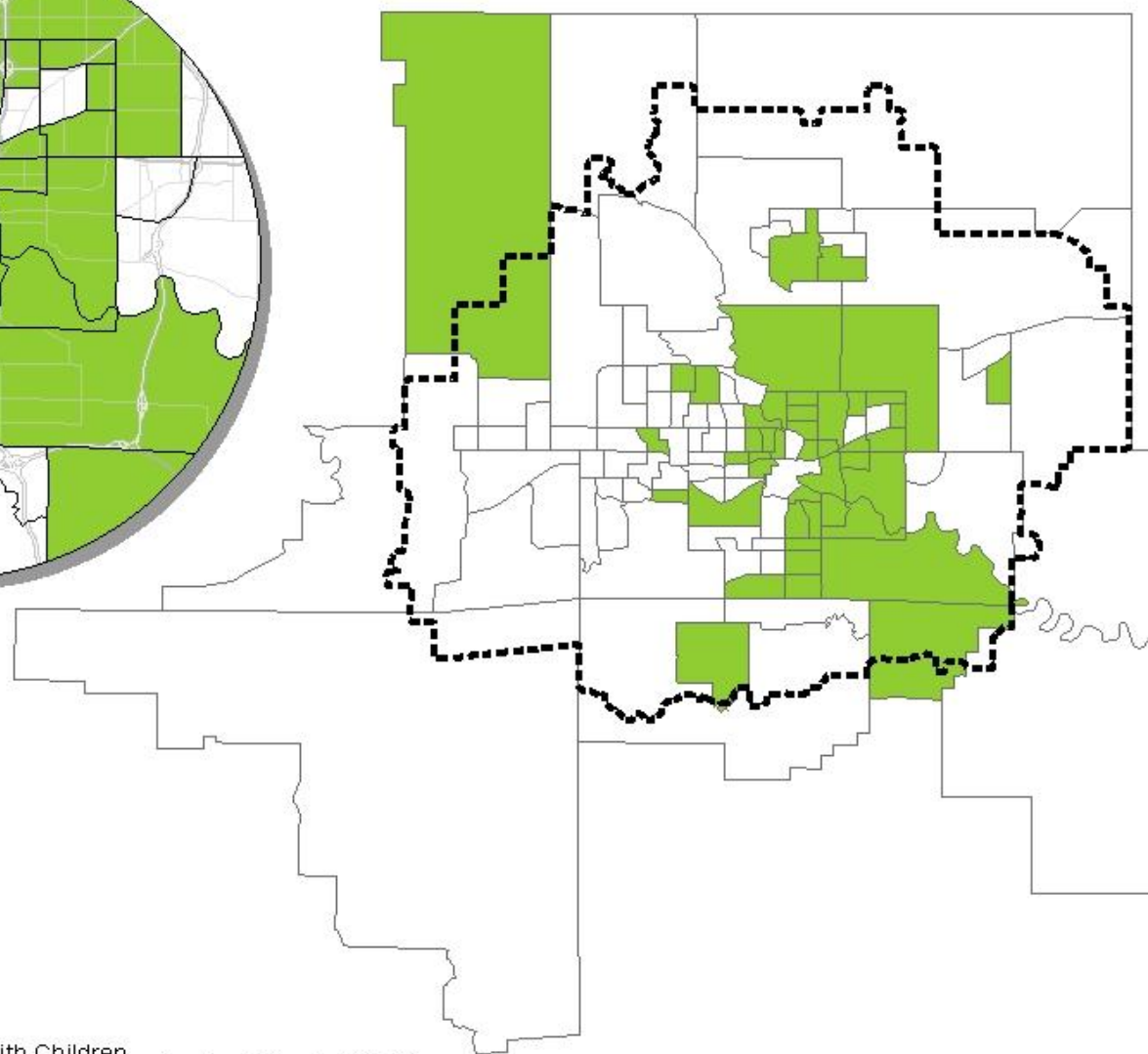
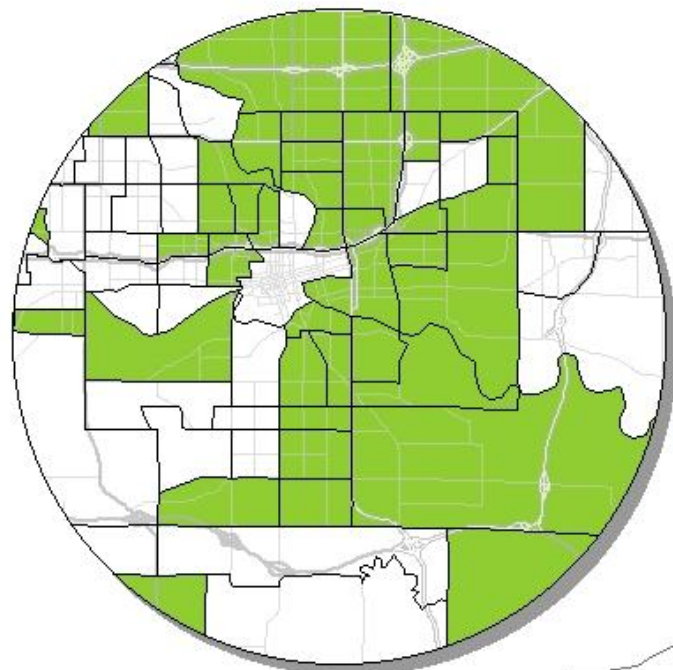
-----Regional Threshold: 5.9%

Source: 2010 U.S. Census
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Single Heads of Household with Children Above Regional Threshold



Legend

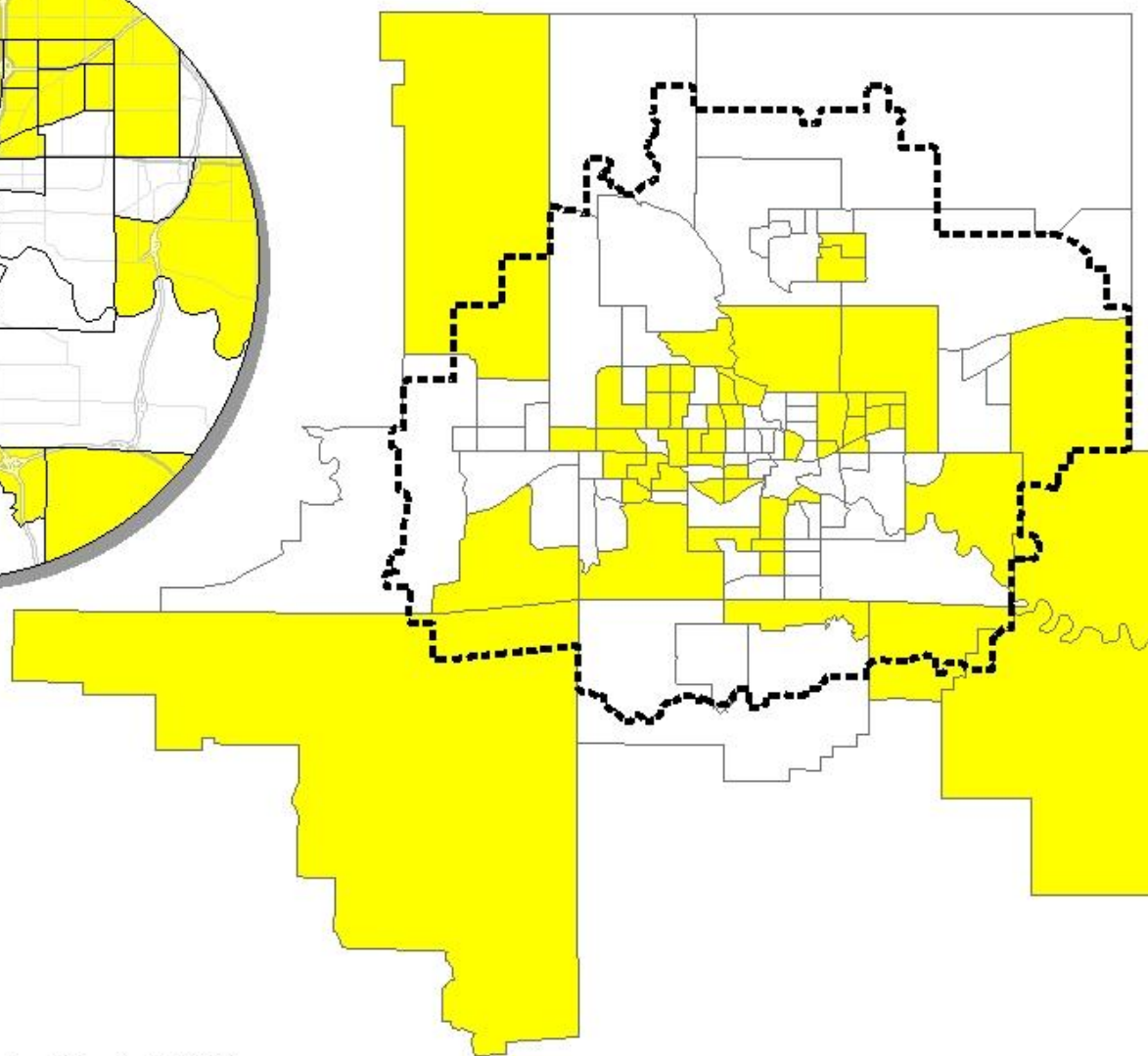
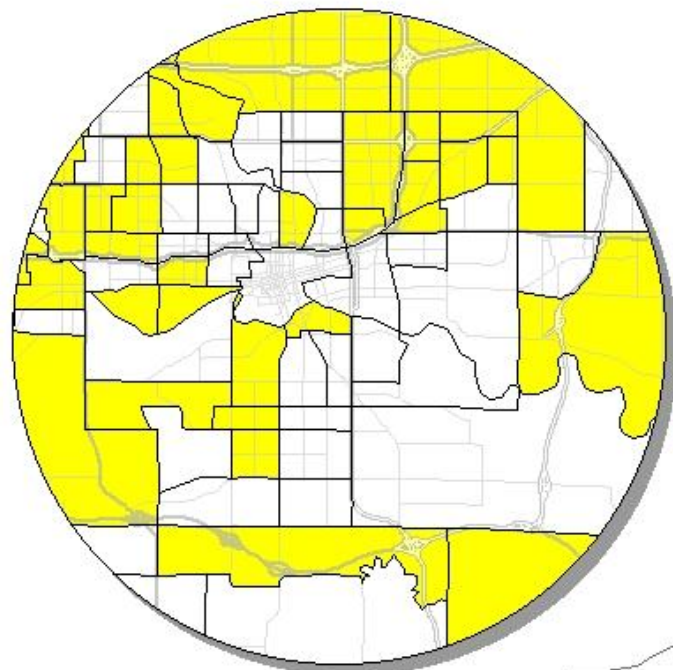
-  MPO Census Tracts
-  Single Heads of Households with Children
-  Regional Threshold: 5.6%

Source: 2010 U.S. Census
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Persons Over 65 Above Regional Threshold



Legend

 MPO Census Tracts

 Persons Over 65

-----Regional Threshold: 11.2%

Source: 2010 U.S. Census
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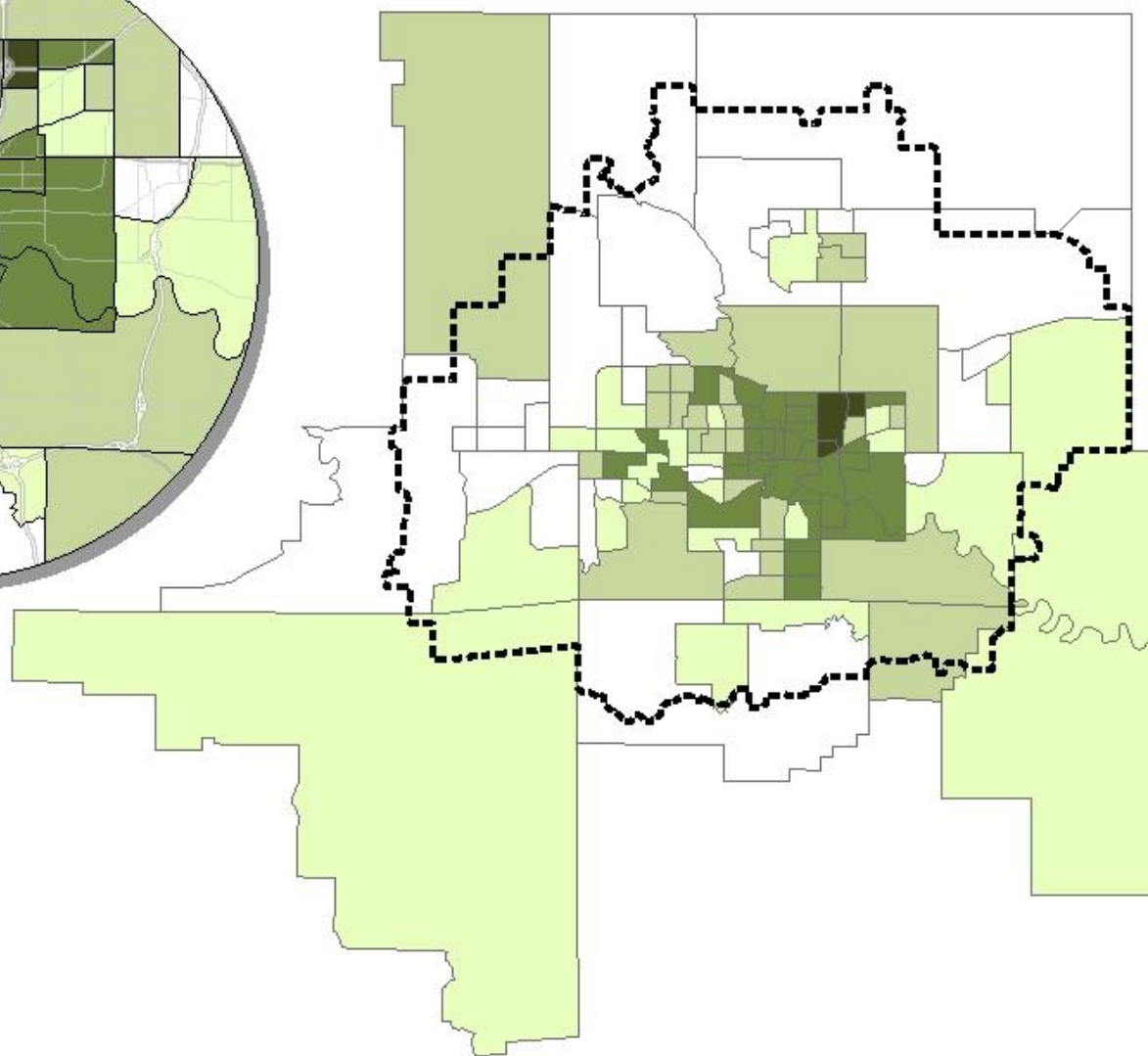
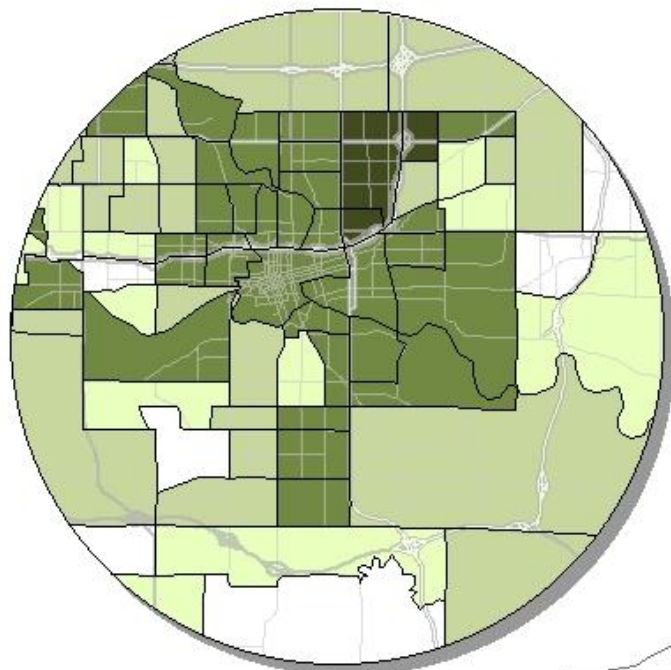
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Combining the Degrees

Environmental Justice Areas




Legend

 MPO Census Tracts

Degrees of Disadvantage

 0

 1

 2 - 3

 4 - 5

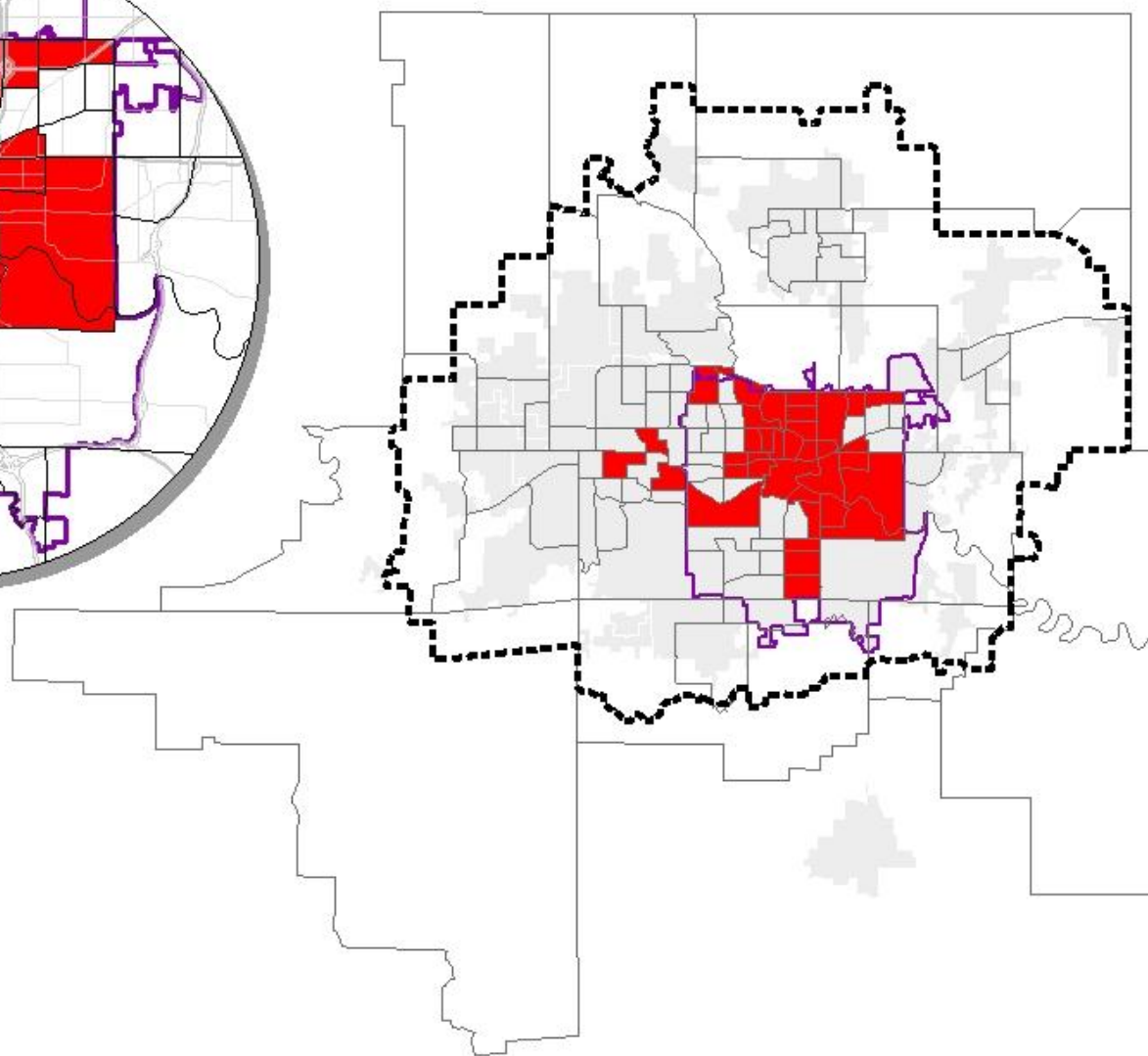
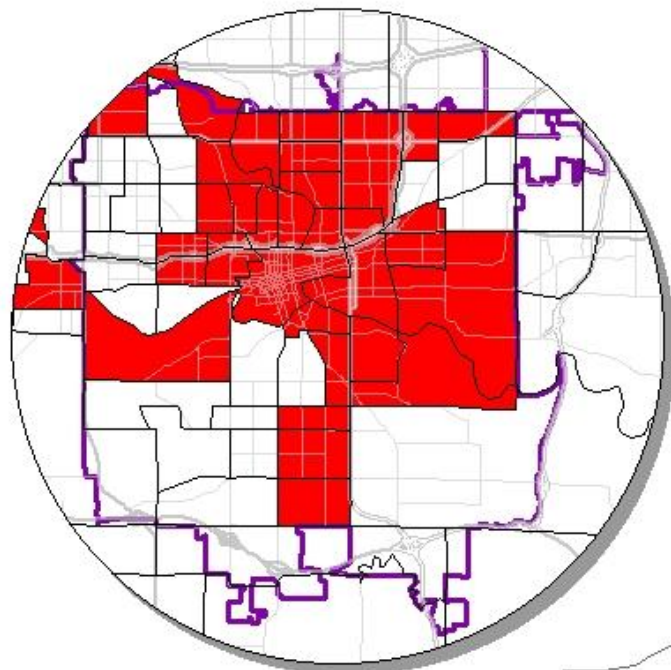
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Source: 2010 U.S. Census
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Environmental Justice Areas



Legend

-  MPO Census Tracts
-  City of Des Moines
-  Environmental Justice Tracts

Source: 2010 U.S. Census
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① Environmental Justice

② The MPO's Methodology

Moving Forward

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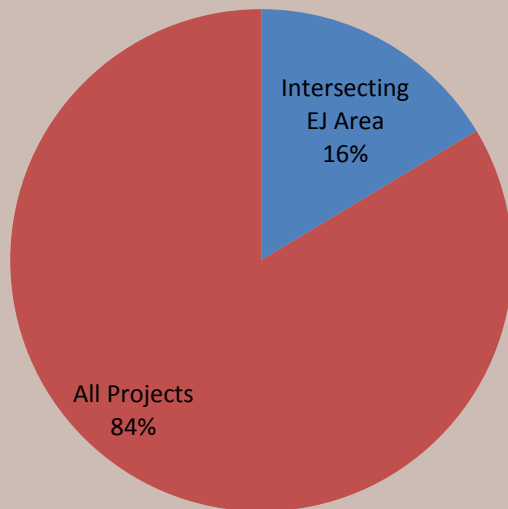
In vs. Out Comparison

- Comparing EJ areas to non-EJ areas:
 - Road conditions
 - Safety
 - Commute times
 - Miles of bike/pedestrian facilities per capita
 - Transit
 - Transportation projects (funding and amount)

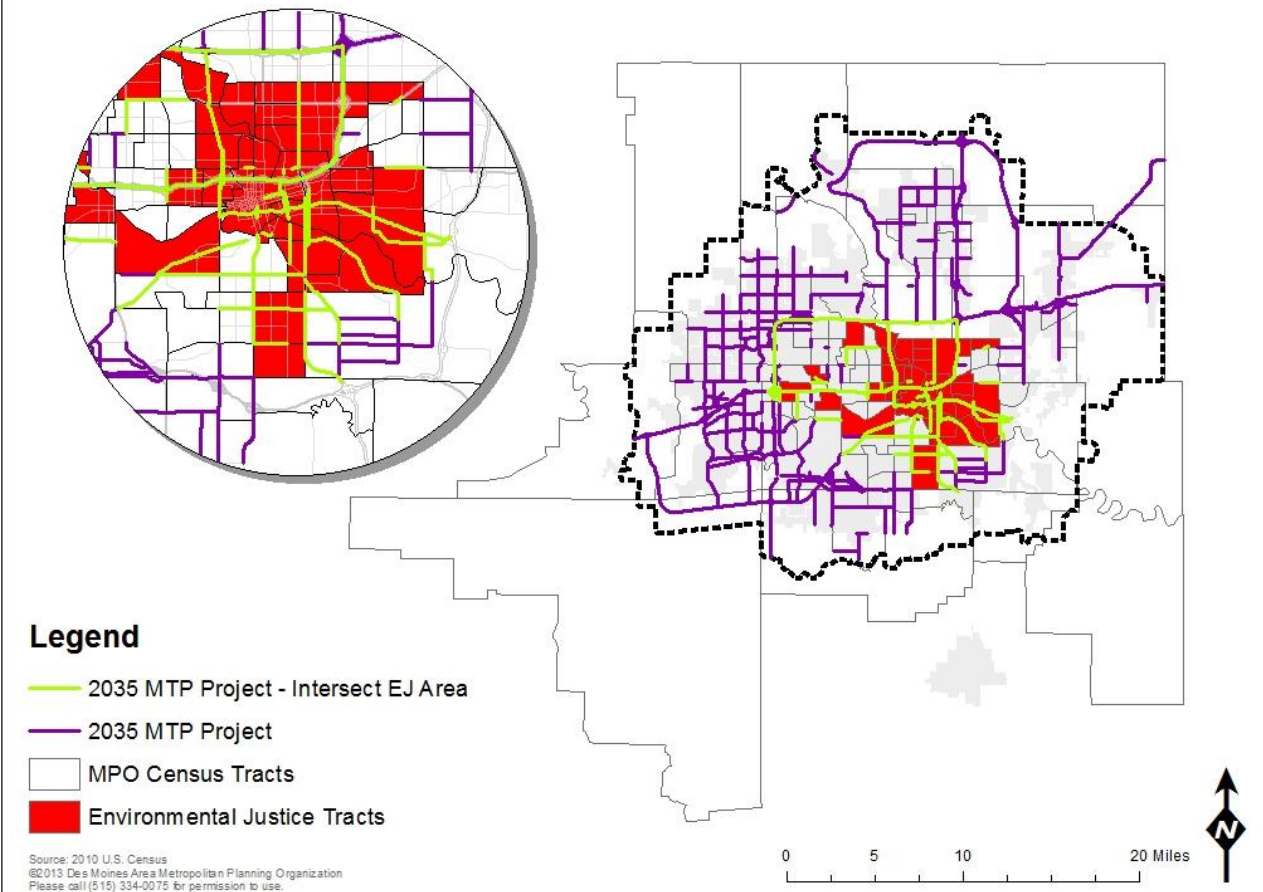
2035 MTP Projects

- 71 out of 349 2035 MTP projects located in EJ areas

Estimated Cost of 2035 MTP Projects

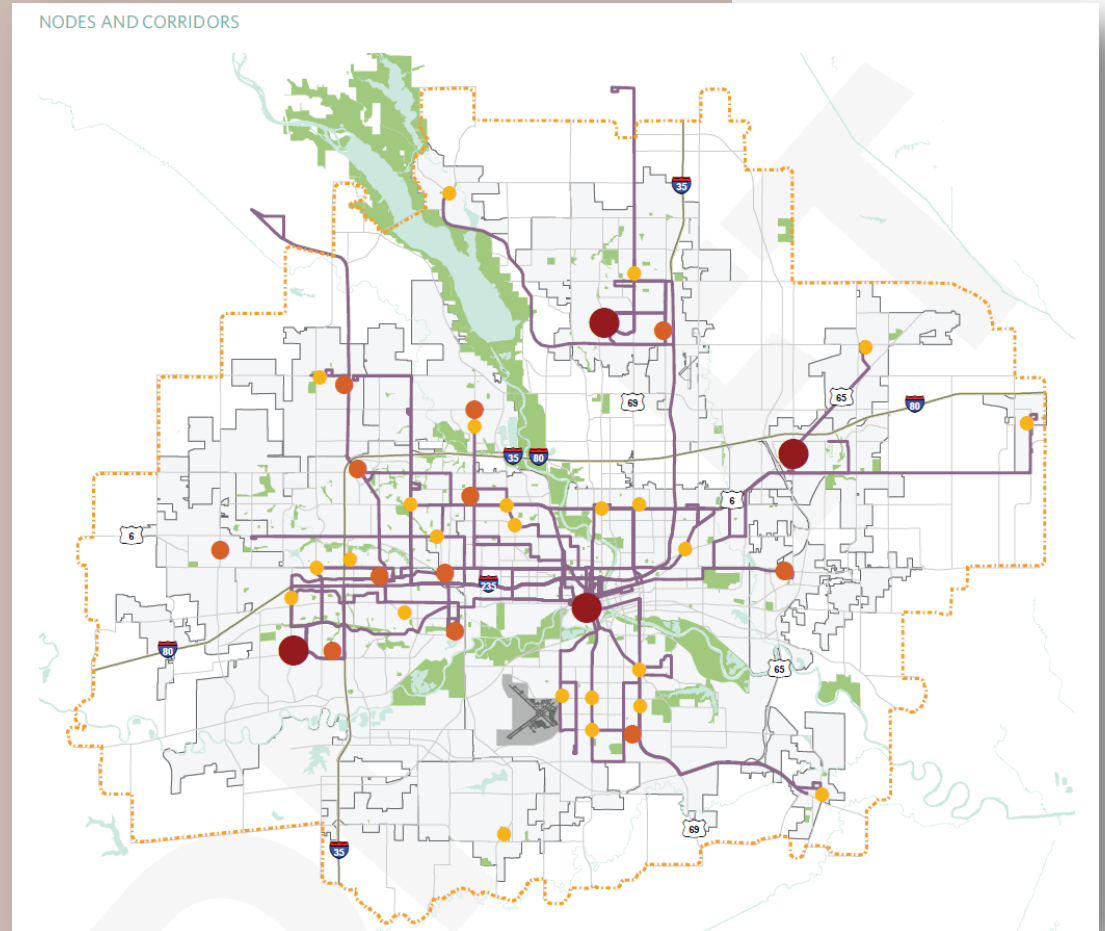


2035 Metropolitan Transportation Plan Projects

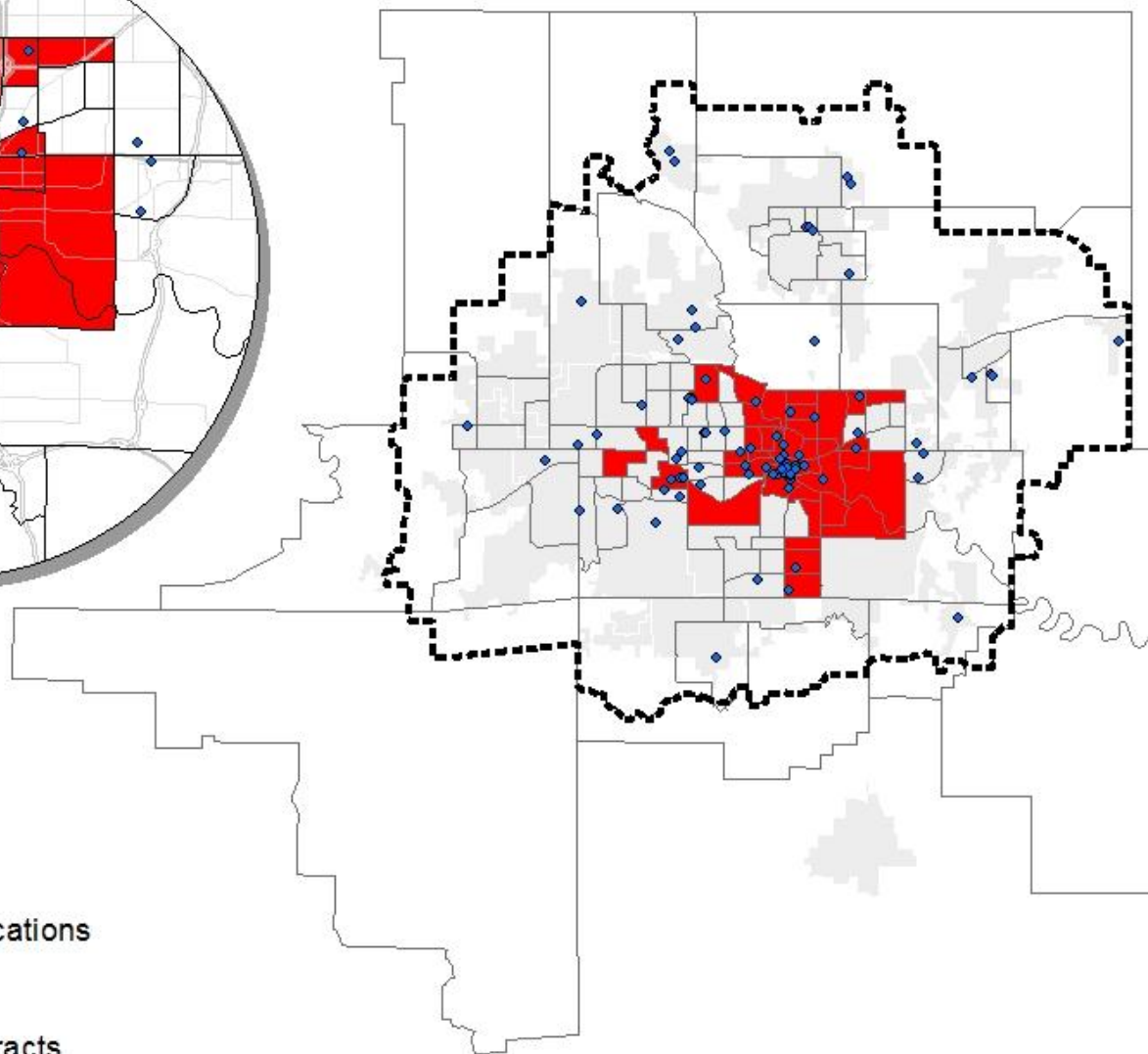
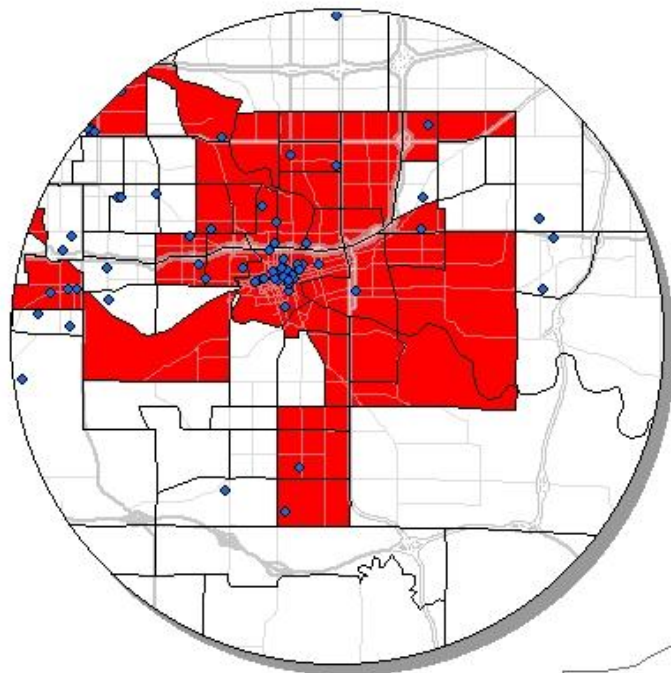


Going Beyond Transportation

- The Tomorrow Plan
 - Nodes + Corridors
 - Housing needs
 - Healthy lifestyles
- Public outreach
 - Determining meeting locations
 - Education



The Tomorrow Plan Public Outreach Locations



Legend

◆ TTP Public Outreach Locations

□ MPO Census Tracts

■ Environmental Justice Tracts

Source: 2010 U.S. Census
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MPO Partner's Committee

- Connecting with the community
- Provide input and ideas on the elements that make our region function



POLK COUNTY
**HOUSING
TRUST FUND**

Basic Needs | Powerful Solutions



★ HEALTH DEPARTMENT ★



broadlawns
MEDICAL CENTER



dart

DES MOINES AREA
MPO
METROPOLITAN PLANNING ORGANIZATION

Guiding the Future

- Development of Transportation Improvement Program (TIP)
 - Prioritize funding for projects
 - Determining meeting locations
- Long Range Transportation Plan





QUESTIONS?